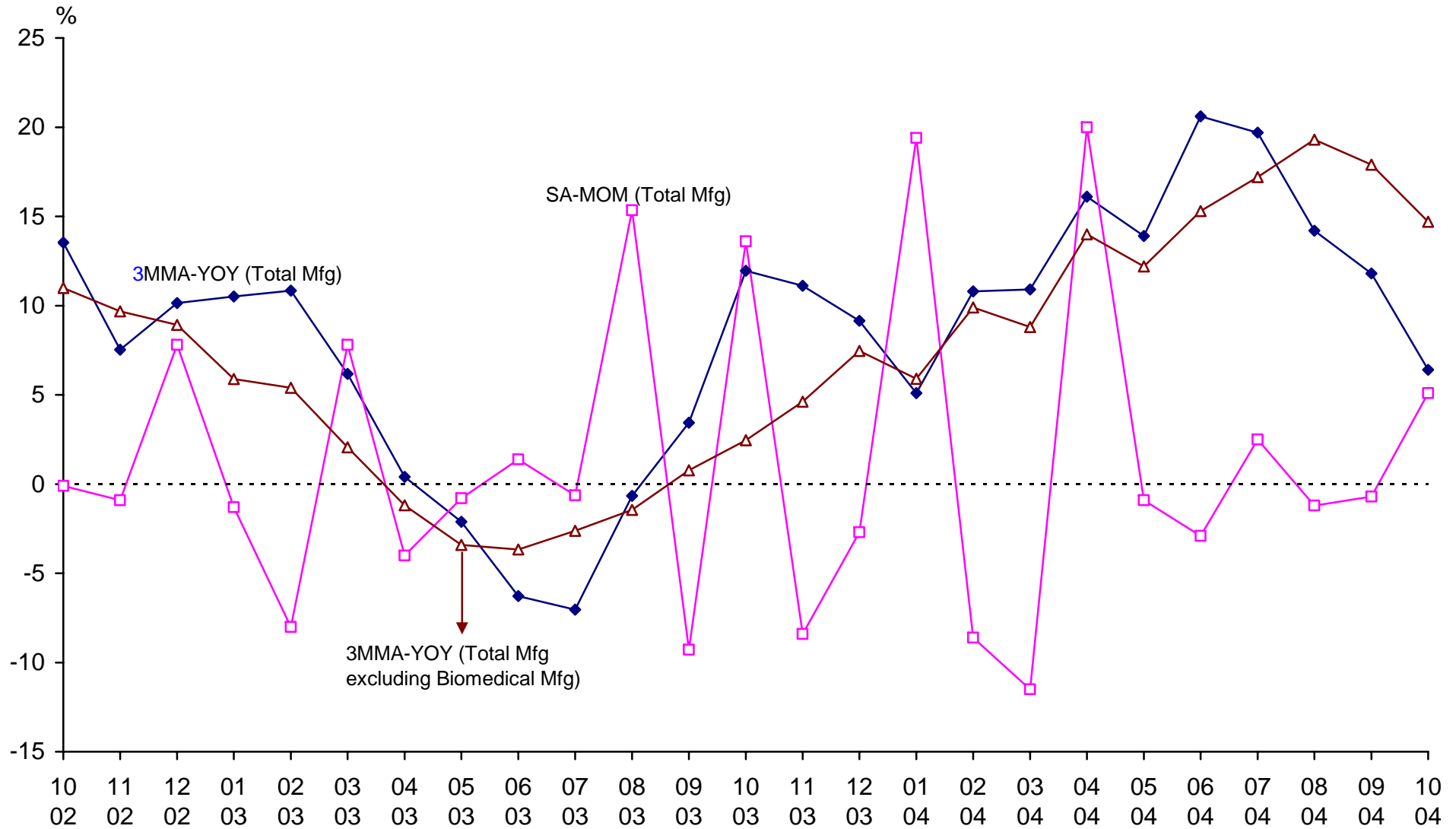


GROWTH OF MANUFACTURING SECTOR



Note :

3MMA YOY - 3-month moving average year-on-year

SA MOM - Seasonally adjusted month-on-month

TABLE 1: PERFORMANCE BY CLUSTERS

Industry Cluster	2003 Value Added Share (%)	% change over corresponding period of previous year				% change of 3-month moving average over corresponding period of previous year		
		Aug 04	Sep 04	Oct 04 *	Cum Jan – Oct 04	Aug 04	Sep 04	Oct 04 *
Electronics	31.4	29.2	20.4	11.4	20.4	32.1	26.3	19.8
Semiconductors	15.6	33.6	22.3	12.5	32.2	43.0	32.4	22.0
Computer Peripherals	3.9	45.4	27.5	34.9	16.5	41.5	39.6	35.7
Data Storage	5.1	-7.5	-7.4	-7.4	-7.9	-12.1	-9.9	-7.4
Infocomms & Consumer Electronics	4.4	51.6	51.9	18.2	41.3	54.6	48.5	38.7
Other Electronic Modules & Components	2.5	10.3	-11.8	-17.6	1.7	14.5	4.2	-7.5
Chemicals	14.1	19.3	11.7	6.1	7.0	11.2	11.2	12.1
Petroleum	4.0	22.1	24.6	20.4	8.4	13.2	14.6	22.4
Petrochemicals	4.0	24.8	6.6	0.4	6.7	10.5	12.2	9.7
Specialty Chemicals	3.8	12.8	1.3	-4.2	5.1	7.2	4.8	2.9
Others	2.3	18.2	14.2	7.0	7.6	15.2	14.3	12.9
Precision Engineering	14.7	8.3	7.9	-0.8	9.0	10.3	10.0	5.1
Machinery & Systems	4.9	8.6	8.8	-0.2	18.1	18.6	14.1	5.7
Precision Modules & Components	9.7	8.2	7.5	-1.0	4.8	6.5	8.0	4.8

TABLE 1: PERFORMANCE BY CLUSTERS (Continued)

Industry Cluster	2003 Value Added Share (%)	% change over corresponding period of previous year				% change of 3-month moving average over corresponding period of previous year		
		Aug 04	Sep 04	Oct 04*	Cum Jan – Oct 04	Aug 04	Sep 04	Oct 04*
Transport Engineering	9.6	26.6	32.6	31.1	22.0	24.2	29.6	30.1
Marine & Offshore Engineering	4.5	39.7	43.2	50.8	32.6	32.3	38.8	44.3
Aerospace	4.5	14.9	22.0	15.4	14.3	20.5	22.2	17.4
Land	0.7	1.5	17.5	7.3	-2.9	-11.4	3.6	8.2
General Manufacturing Industries	11.3	3.2	0.6	-2.3	-0.1	1.0	1.4	0.4
Printing	3.4	-3.7	-3.0	-0.8	1.7	-1.4	-2.1	-2.6
Food, Beverages & Tobacco	2.9	9.6	9.5	8.3	1.0	6.2	8.1	9.2
Miscellaneous Industries	5.0	4.9	-1.5	-8.1	-2.0	0.1	0.3	-1.8
Manufacturing excluding Biomedical Manufacturing	81.2	19.9	15.8	9.1	13.6	19.3	17.9	14.7
Biomedical Manufacturing	18.8	-37.4	-9.9	-19.6	10.0	-8.0	-16.3	-24.9
Pharmaceuticals	16.0	-40.1	-11.9	-22.8	10.8	-9.9	-18.8	-28.1
Medical Technology	2.8	-13.2	-3.0	9.5	6.1	3.4	-2.4	-2.3
Total Manufacturing	100.0	5.1	12.5	2.4	13.0	14.2	11.8	6.4

* Preliminary

TABLE 2: MONTHLY INDEX OF INDUSTRIAL PRODUCTION BY INDUSTRY CLUSTER, OCT 2002 TO OCT 2004

Period	Electronics						Chemicals					Precision Engineering			
	Total	Semi-conductors	Computer Peripherals	Data Storage	Infocomms & Consumer Electronics	Other Electronic Modules & Components	Total	Petroleum	Petro-chemicals	Specialty Chemicals	Others	Total	Machinery & Systems	Precision Modules & Components	
2003 = 100															
2002	Oct	101.9	90.6	106.4	93.2	132.5	97.3	99.2	104.6	90.5	99.4	97.5	106.7	98.2	110.5
	Nov	100.9	89.3	114.9	95.2	113.7	93.2	91.6	99.9	79.0	87.3	94.5	97.0	85.7	102.7
	Dec	106.8	104.5	101.0	119.4	102.9	87.9	98.3	103.3	96.8	92.6	92.8	97.8	99.1	97.4
2003	Jan	93.3	87.3	114.9	91.5	77.9	101.5	102.7	100.8	103.9	102.2	105.0	95.4	88.7	98.4
	Feb	79.3	81.7	84.2	76.1	64.8	91.2	91.0	95.5	93.8	86.4	87.0	79.8	70.6	84.0
	Mar	101.1	99.5	104.0	115.9	90.6	90.7	103.5	108.7	96.2	101.7	107.3	104.6	107.3	103.4
	Apr	93.7	84.9	94.8	106.1	92.2	102.1	103.5	104.8	104.9	98.5	107.4	95.9	92.5	97.4
	May	90.0	82.9	97.5	98.9	82.5	97.4	102.2	102.7	106.2	98.9	101.6	96.9	94.6	98.0
	Jun	92.3	97.4	91.2	80.8	97.4	88.6	99.3	95.2	104.9	101.8	95.1	103.5	109.0	101.0
	Jul	91.5	88.6	88.2	97.5	97.7	85.0	99.7	105.9	91.2	100.3	99.6	98.4	94.6	100.2
	Aug	94.2	92.5	92.5	98.6	95.7	93.6	92.3	97.0	85.1	93.1	92.4	98.7	99.9	98.1
	Sep	112.5	123.2	99.9	104.2	114.7	109.9	100.2	97.1	102.5	103.6	97.4	108.5	116.7	104.8
	Oct	114.9	118.5	94.5	112.8	134.6	117.3	103.7	100.3	104.5	107.1	103.2	107.4	107.2	107.5
	Nov	113.2	117.3	119.3	105.9	106.5	110.4	94.5	88.1	97.2	96.3	99.2	101.9	105.3	100.3
	Dec	124.2	126.2	118.9	112.0	145.4	112.3	107.1	103.7	109.6	109.9	105.0	108.9	113.7	106.8
2004	Jan	95.4	102.7	83.9	92.8	97.1	93.0	100.4	98.5	109.6	99.9	92.0	91.7	89.5	92.8
	Feb	101.7	113.9	93.8	99.2	90.5	94.7	100.2	102.2	100.8	99.2	97.6	99.6	107.1	96.2
	Mar	111.5	126.8	99.5	94.2	113.7	105.9	109.0	107.5	106.4	110.1	113.3	116.6	128.8	111.0
	Apr	108.8	120.2	95.8	84.1	131.6	100.9	108.3	108.5	108.0	108.6	107.6	107.3	120.0	101.5
	May	110.7	119.2	107.5	90.6	123.9	99.8	104.0	97.3	110.4	103.0	108.4	107.0	119.3	101.4
	Jun	126.3	146.1	120.4	69.1	166.2	102.4	111.0	114.6	107.2	110.1	111.2	112.8	131.9	104.0
	Jul	119.4	128.5	129.9	83.0	138.2	100.3	103.0	104.5	97.5	101.3	110.3	112.1	119.5	108.7
	Aug	121.7	123.6	134.5	91.2	145.2	103.3	110.1	118.4	106.2	105.1	109.1	106.9	108.5	106.2
	Sep	135.5	150.7	127.4	96.5	174.3	97.0	112.0	121.0	109.3	104.9	111.2	117.1	126.9	112.7
	Oct*	128.0	133.3	127.5	104.4	159.2	96.6	110.1	120.8	104.9	102.6	110.5	106.6	106.9	106.5

**TABLE 2: MONTHLY INDEX OF INDUSTRIAL PRODUCTION BY INDUSTRY CLUSTER, OCT 2002 TO OCT 2004
(Continued)**

Period	Transport Engineering				General Manufacturing Industries				Manu- facturing excluding Biomedical Manu- facturing	Biomedical Manufacturing			Total Manu- facturing ¹	
	Total	Marine & Offshore Engineering	Aerospace	Land	Total	Printing	Food, Beverages & Tobacco	Miscella- neous Industries		Total	Pharma- ceuticals	Medical Techno- logy		
2003 = 100														
2002	Oct	109.2	102.6	116.3	107.5	104.2	99.3	100.0	110.0	105.5	69.6	61.4	102.1	99.7
	Nov	104.5	102.1	105.3	113.9	103.6	110.4	96.7	102.9	98.8	55.5	48.3	93.6	91.8
	Dec	103.3	103.8	103.2	89.0	103.0	102.1	98.5	105.9	101.0	124.7	126.6	97.8	104.8
2003	Jan	95.1	90.9	96.1	125.3	106.4	91.8	129.7	103.9	97.1	120.5	125.9	93.7	100.9
	Feb	93.4	97.7	88.7	94.6	80.5	76.3	89.9	78.3	83.2	55.4	50.8	77.9	78.7
	Mar	101.8	93.3	111.7	92.6	100.5	101.3	108.3	96.0	102.2	137.0	144.0	102.5	107.8
	Apr	93.7	85.7	99.6	114.6	93.4	90.3	91.2	96.8	95.6	67.8	61.0	101.3	91.1
	May	94.0	90.4	98.6	87.2	96.5	94.5	92.8	99.8	94.5	86.9	84.3	99.9	93.3
	Jun	105.3	99.5	105.1	158.3	102.8	103.4	95.8	106.2	98.5	94.2	92.5	102.7	97.8
	Jul	99.0	100.6	96.9	103.2	103.4	102.9	101.4	104.8	96.7	81.5	78.3	97.6	94.2
	Aug	101.3	104.3	98.5	97.7	98.4	107.1	95.0	94.3	96.2	174.1	188.8	101.7	108.8
	Sep	107.0	112.7	104.1	80.0	104.2	110.6	99.0	102.8	108.1	83.6	77.7	112.3	104.1
	Oct	99.9	94.1	107.1	90.1	104.4	106.8	95.0	107.6	108.4	171.3	185.5	101.2	118.6
	Nov	98.5	109.0	88.8	87.7	102.0	109.3	96.2	100.2	104.8	70.7	64.7	100.2	99.3
	Dec	111.1	121.6	104.9	68.9	107.4	105.8	105.6	109.3	114.9	57.1	46.6	108.9	105.5
2004	Jan	98.7	101.3	95.8	100.6	87.2	85.4	100.7	81.3	94.8	176.1	195.0	82.6	108.0
	Feb	101.4	96.2	107.3	98.2	90.0	91.3	89.6	89.2	99.5	112.0	117.0	87.5	101.5
	Mar	129.4	139.3	122.2	101.7	101.2	103.9	98.8	100.6	113.0	89.7	77.5	150.1	109.2
	Apr	116.9	127.1	107.8	102.3	96.5	96.4	96.4	96.7	107.8	129.9	135.2	104.1	111.4
	May	109.7	115.3	104.7	101.6	99.9	103.1	100.8	97.2	107.3	137.3	145.8	94.9	112.2
	Jun	123.1	123.4	123.1	120.9	102.3	102.1	99.3	104.0	117.7	113.2	112.4	117.3	117.0
	Jul	128.1	133.7	125.8	98.0	103.9	103.7	106.8	102.5	114.5	99.7	98.3	106.8	112.1
	Aug	128.2	145.7	113.2	99.2	101.5	103.1	104.1	98.9	115.3	109.0	113.2	88.3	114.3
	Sep	141.9	161.4	127.0	94.0	104.8	107.3	108.5	101.3	125.2	75.3	68.5	109.0	117.1
	Oct*	131.0	141.9	123.6	96.7	101.9	105.9	102.9	98.9	118.2	137.8	143.2	110.9	121.4

*Preliminary

TABLE 3 : MANUFACTURING SECTOR GROWTH

Period		INDEX (2003 = 100)	SA INDEX	SA MOM GROWTH (%)	YOY INDEX GROWTH (%)	3MMA YOY INDEX GROWTH (%)
2002	Oct	99.7	95.0	-0.1	12.4	13.5
	Nov	91.8	94.1	-0.9	-1.1	7.5
	Dec	104.8	101.4	7.8	19.7	10.1
2003	Jan	100.9	100.1	-1.3	13.5	10.5
	Feb	78.7	92.1	-8.0	-1.9	10.8
	Mar	107.8	99.3	7.8	6.1	6.2
	Apr	91.1	95.3	-4.0	-3.8	0.4
	May	93.3	94.5	-0.8	-8.7	-2.1
	Jun	97.8	95.8	1.4	-6.1	-6.3
	Jul	94.2	95.2	-0.6	-6.3	-7.0
	Aug	108.8	109.8	15.3	10.9	-0.7
	Sep	104.1	99.6	-9.3	5.9	3.4
	Oct	118.6	113.1	13.6	19.0	12.0
	Nov	99.3	103.6	-8.4	8.2	11.1
2004	Dec	105.5	100.8	-2.7	0.7	9.1
	Jan	108.0	120.4	19.4	7.0	5.1
	Feb	101.5	110.0	-8.6	29.0	10.8
	Mar	109.2	97.3	-11.5	1.3	10.9
	Apr	111.4	116.8	20.0	22.3	16.1
	May	112.2	115.7	-0.9	20.3	13.9
	Jun	117.0	112.3	-2.9	19.6	20.6
	Jul	112.1	115.1	2.5	19.0	19.7
	Aug	114.3	113.7	-1.2	5.1	14.2
	Sep	117.1	112.9	-0.7	12.5	11.8
Oct*	121.4	118.7	5.1	2.4	6.4	

Note:

*

SA Index
3MMA YOY
SA MOM

- Preliminary
- Seasonally adjusted index
- 3-month moving average year-on-year
- Seasonally adjusted month-on-month